

ABSTRACT

A flat, hollow brushless servomotor (1) has a motor housing (2), housing through holes (22a, 23a) formed in a center of both end plate portions (22, 23), a rotor shaft (41) of which a portion of both ends is exposed from the through holes, a tool-mounting hole (43) that extends through a center thereof, and workpiece insertion recesses (24, 25) formed in an external surface of both end plate portions (22, 23) of the motor housing (2) by reducing the thickness thereof. A workpiece with a shape that has facing portions facing each other across a narrow space can be introduced from an outside to a center of the motor (1) along the workpiece insertion recesses, and the facing portions of the workpiece can be machined by a tool mounted in the center of the motor.